



Nathaniel Smith, MD, MPH, Director and State Health Officer

**Communicable Diseases/Epidemiology
Influenza Weekly Report
Arkansas 2014-2015**

Week Ending Saturday 04/18/2015

Dirk Haselow, MD, PhD

State Epidemiologist, Medical Director, Communicable Diseases

Shirley Louie, MS, CIH

Deputy State Epidemiologist, Director, Center for Public Health Practice

Prepared by:

Haytham Safi, MD, MPH

Influenza Surveillance Coordinator

Haytham.Safi@Arkansas.gov

501-661-2920

During flu season the Arkansas Department of Health (ADH) produces this Weekly Influenza Report for clinicians. The report provides information on flu activity in the state. The report also compares influenza-like illness (ILI) in Arkansas to activity in the US. ADH receives detailed reports of only a small fraction of flu cases. Therefore, it is important to understand that the information in the weekly update is representative of the timing and location of activity, but it does not reflect the overall burden of disease. It is presumed that there are many more people actually affected than the report shows.

Report Summary:

- Since September 28, 2014 (week 40), over 29,100 positive influenza antigen tests have been reported to Arkansas Department of Health by healthcare providers. Among flu antigen tests that can distinguish between A and B strains, 83% were A, and 17% were B. In week 15, 27 positives were reported from 13 counties, 23% were A, and 77% were B.
- About 58.6% of reported positive antigens were in children 18 years old or less.
- Only one sample reported last week was confirmed Positive for influenza by PCR testing as B+.
- Less than 3% of patients visiting ER last week and about 1% of out-patients visits were for ILI.
- Arkansas reported “Sporadic” influenza activity to CDC for week 15.
- The average school absenteeism rate last week was 6.15%.
- Nationwide, and for week 14, The geographic spread of influenza in three states was reported as widespread; Guam and 14 states reported regional activity; the District of Columbia and 19 states reported local activity; and Puerto Rico, the U.S. Virgin Islands, and 14 states reported sporadic activity.
- You can view the weekly influenza report during the influenza season at:
<http://www.healthy.arkansas.gov/programsServices/infectiousDisease/Immunizations/SeasonalFlu/Pages/FluReport.aspx>

For Additional National and International Influenza Surveillance Information:

Google Flu Trends: Google Flu Trends uses aggregated Google search data in a model created in collaboration with CDC to estimate influenza activity in the United States. For more information and activity estimates from the U.S. and worldwide, <http://www.google.org/flutrends/us/#US>.

World Health Organization FluNet: Additional influenza surveillance information from participating WHO member nations is available at http://www.who.int/influenza/gisrs_laboratory/flunet/en/index.html.

CDC - Seasonal Influenza (Flu) - WeeklyReport: <http://www.cdc.gov/flu/weekly/> and flu activity surveillance: <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>

Flu near you: <https://flunearyou.org/>. Please sign up and forward to your staff!

2014-2015 Influenza CD/Epi Weekly Report (Week 15: 04/12/15 - 04/18/15)

Death Report for Week 15

- Deaths from all causes: 477
- Deaths due to Pneumonia: 35
- PCR confirmed Flu Deaths: 0
- Death Certificate or Flu Antigen only: 1

Cumulative Flu Deaths since 9/28/2014

- PCR confirmed Flu deaths: 11
- Death Certificate or Flu Antigen only: 57
- Cumulative Flu deaths: 68

ER Visits*

- Week Ending: 04/18/2015**
Weighted Average: 2.71% (25 Hospitals)
– Total Visits: 8,030
– Visits with ILI: 218
- Previous Week**
Weighted Average: 2.17% (27 Hospitals)
– Total Visits: 9,844
– Visits with ILI: 214

*% is the number of ILI visits*100/Total Visits

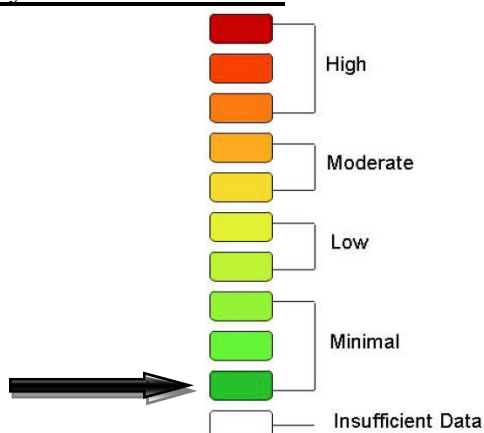
Total Flu-Related Hospital Admissions

- PCR Confirmed:**
– Cumulative: 305
– Week ending 04/18/2015: 1
- ILI or Antigen Tested (Provisional):**
– Cumulative: 1742
– Week ending 04/18/2015: 2

Total Pregnant and HCW with ILI

- Pregnant, ER Visits: 53
- Health Care Workers: 288

Weekly Arkansas ILI Intensity Level Reported by Sentinel Providers



PCR Lab Confirmed Influenza

- Total Cases in September 2014: 8
- Total Cases since 09/28/2014: 606
- Week Ending 04/18/2015: 1

PCR Tests	ADH Lab Week15	Other Labs Week15	Cumulative Cases Since 9/28/2014
A+	0	0	286
B+	0	1	68
B/Victoria	0	0	19
B/ Yamagata	0	0	20
H1N1+	0	0	4
H3+	0	0	209
Unsubtypable	0	0	0
Total	0	1	606
Negative	2	--	

PCR Confirmed Influenza Cases since 09/28/2014

Age Groups	PCR+	Pregnant	Hospitalized	Deaths
0-4 yr	34	-	13	0
5-18 yr	81	0	16	3
19-24 yr	36	7	13	0
25-49 yr	138	7	60	1
50-64 yr	103	-	54	3
>= 65 yr	214	-	149	4
Unknown	0	0	0	0
Total	606	14	305	11

School Absenteeism*

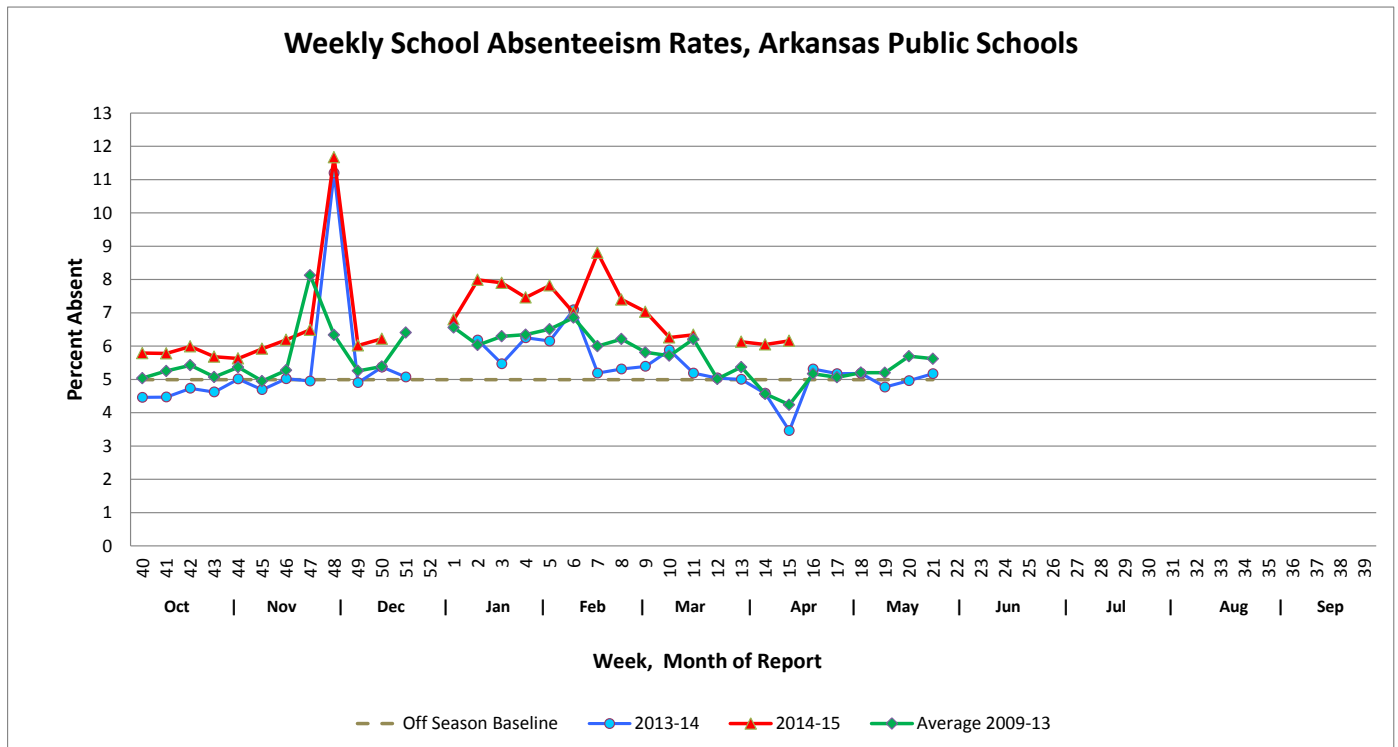
- Week Ending: 04/18/2015
– Percent Absent: 6.15
– Previous week: 6.05

* Average daily absenteeism for all public schools during this reporting week.

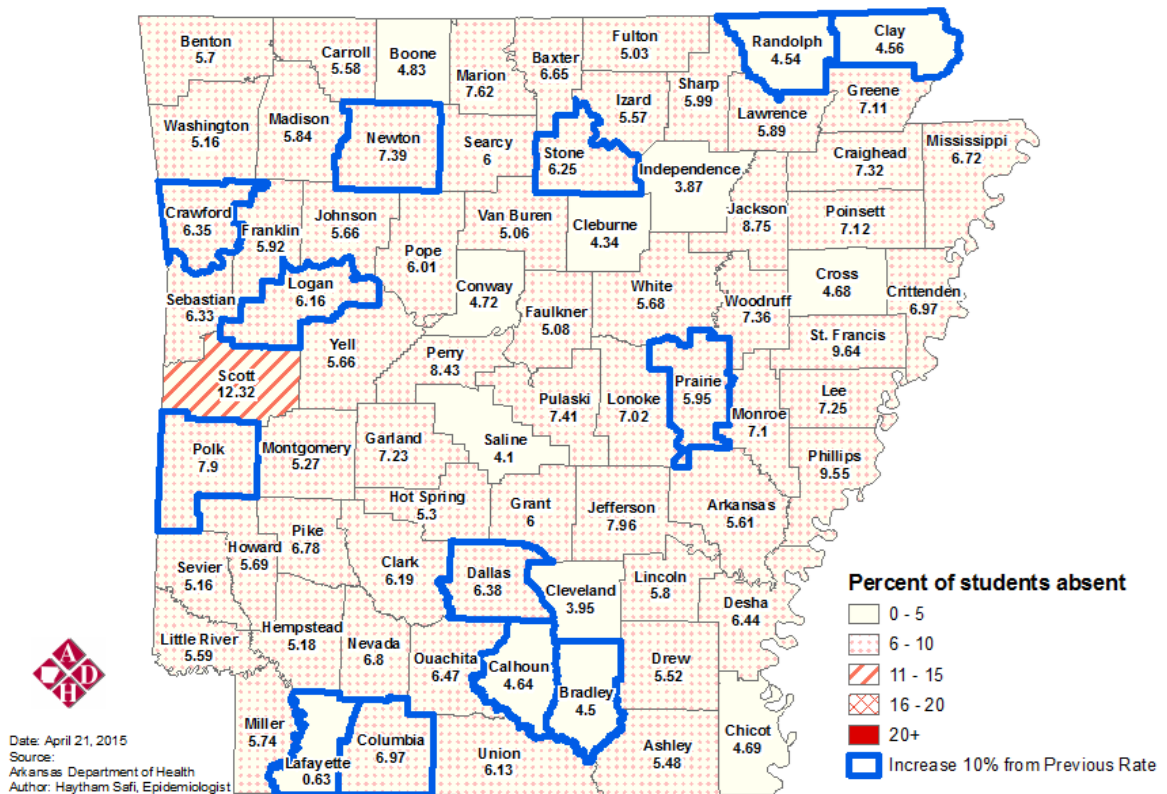
Geographic ILI Activity Level Reported for Week 15:



School Absenteeism:

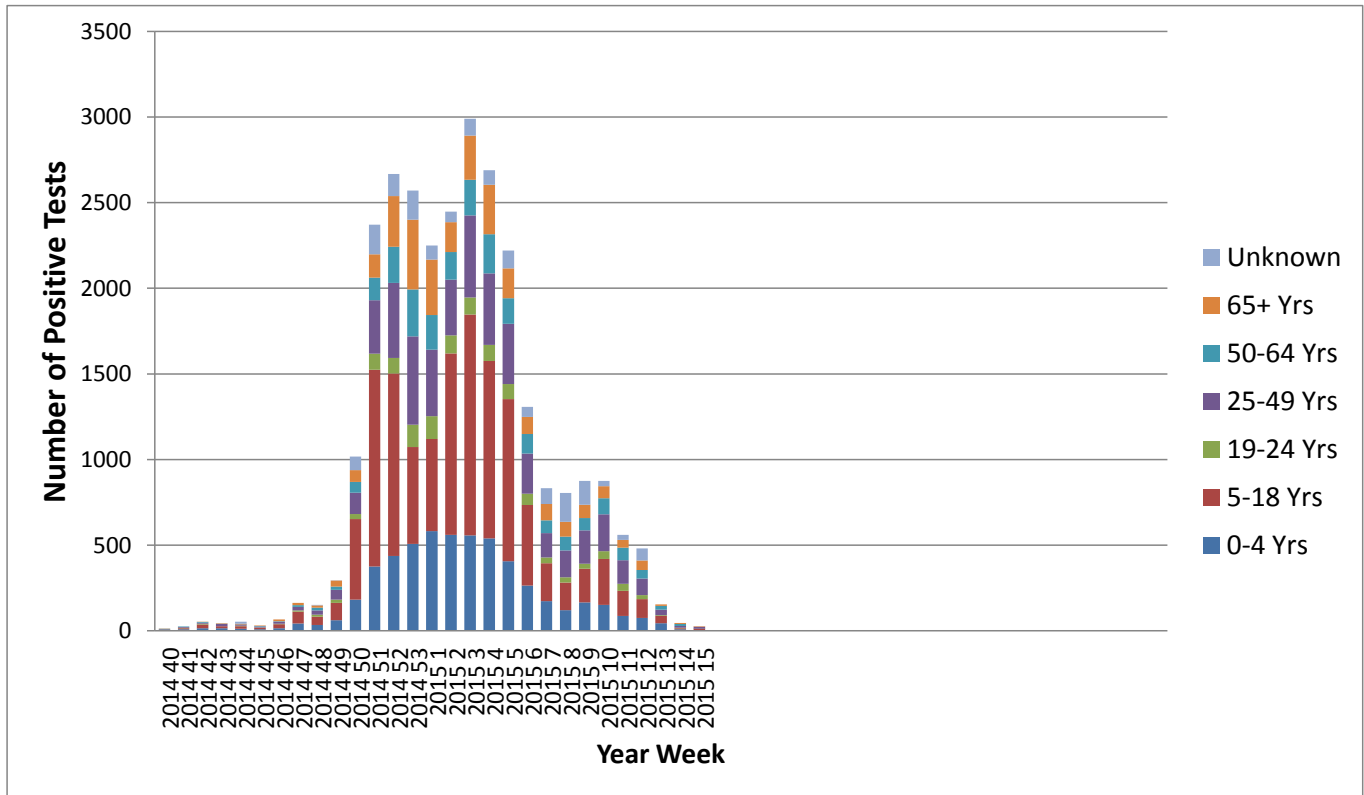


School Absenteeism Rate per County, Arkansas 2014-2015 Percent Absent for Week Ending 4/18/2015

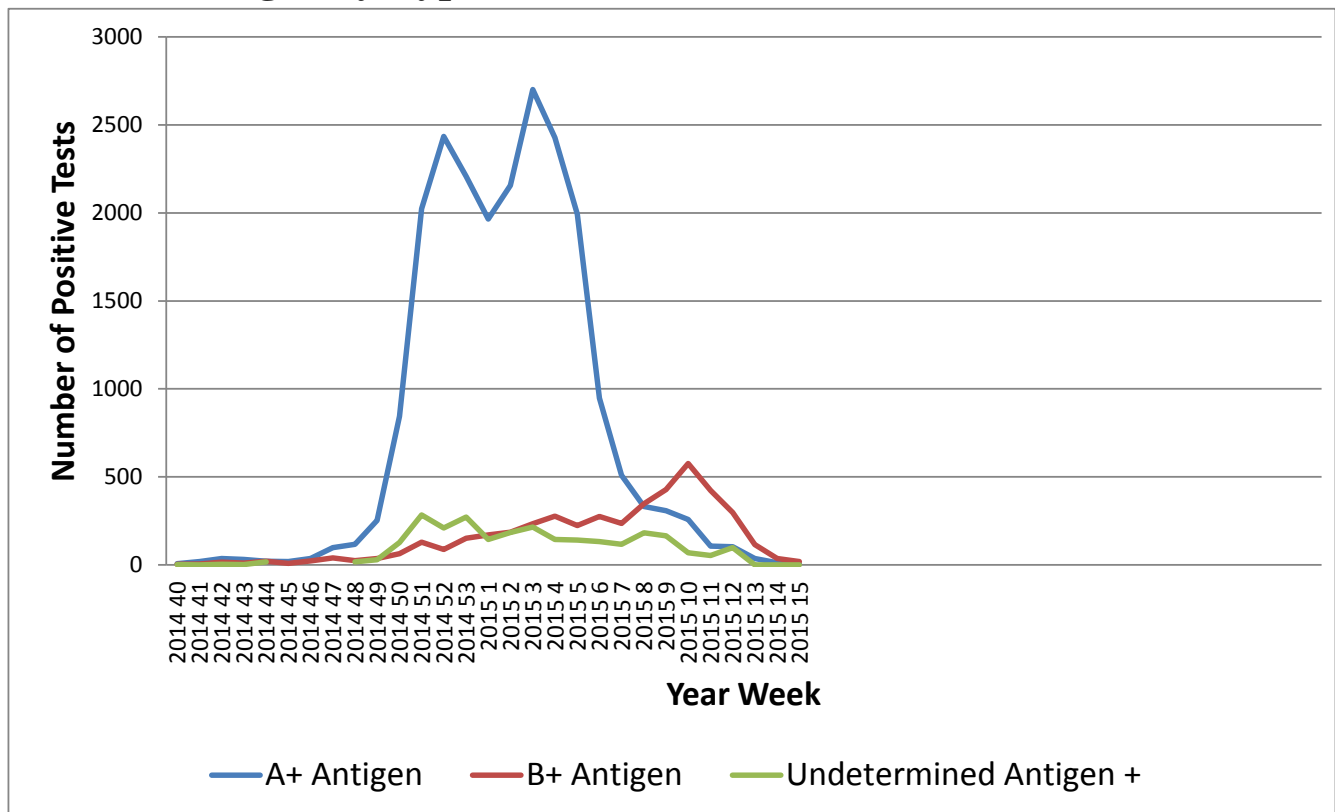


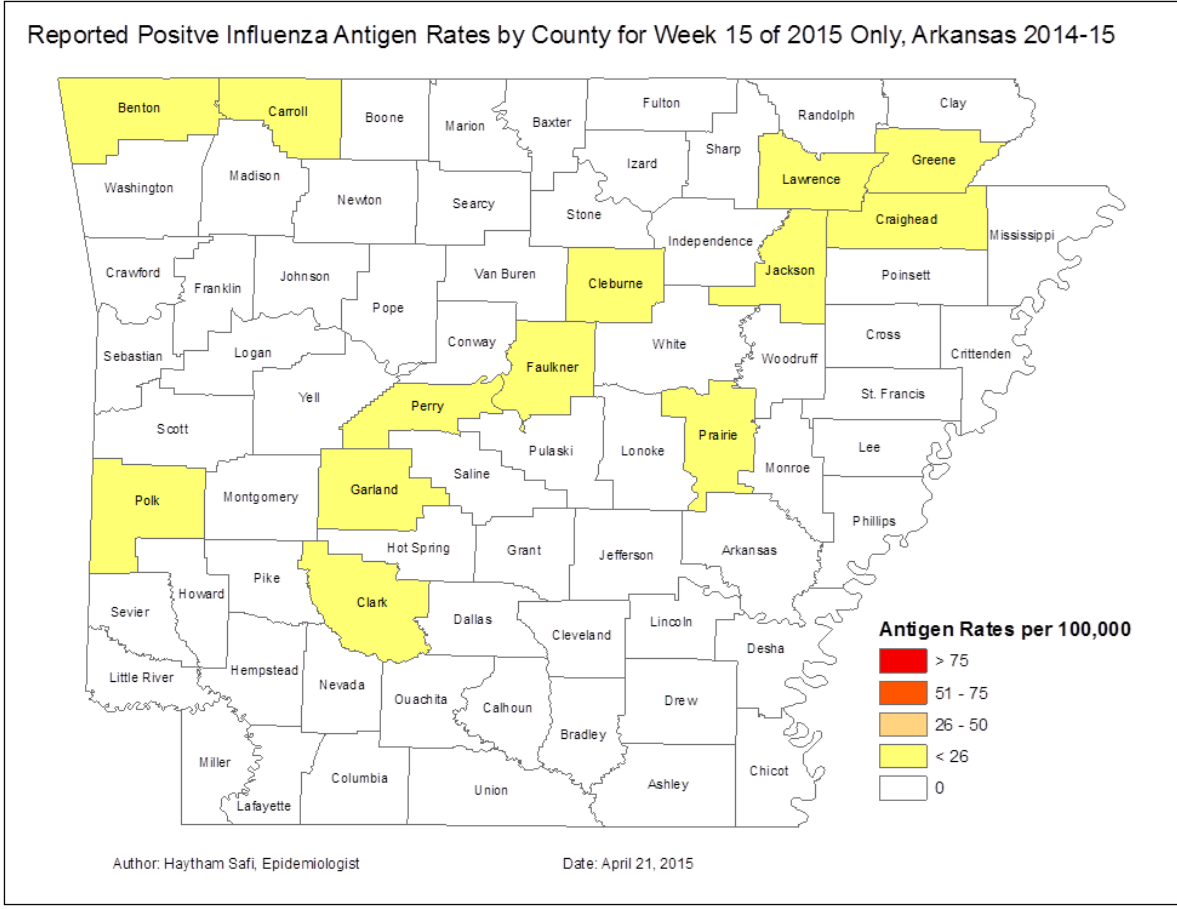
Antigen Report:

Positive Flu Antigen Tests by Age-Groups, Arkansas 2014-15



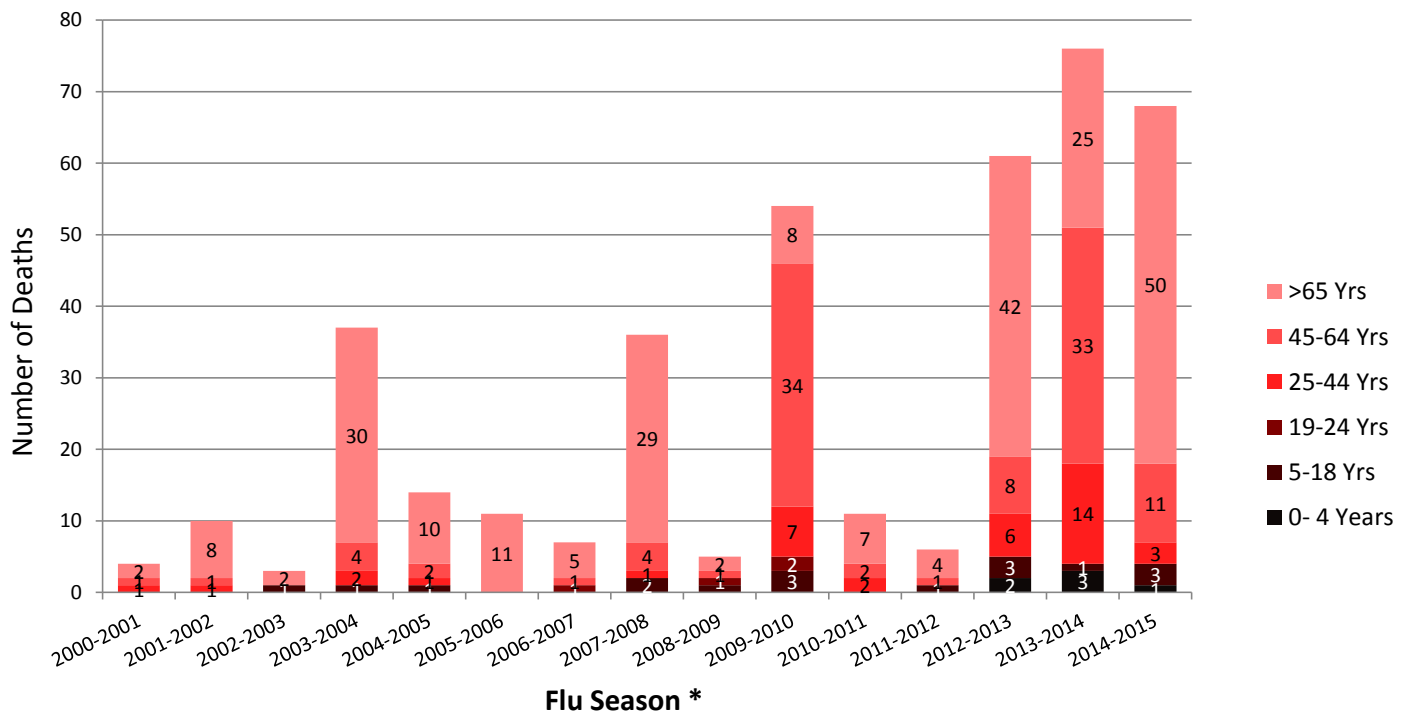
Positive Flu Antigen by Type, Arkansas 2014-15





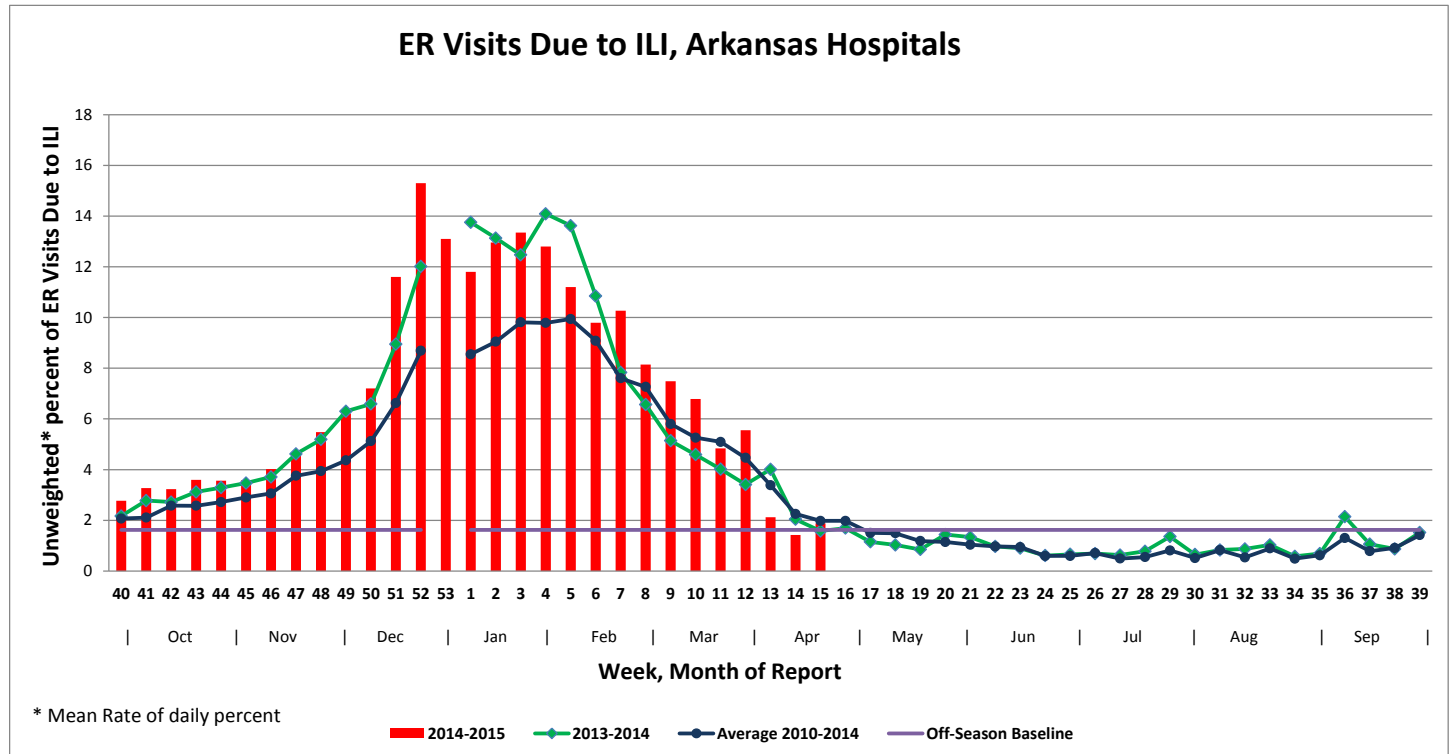
Influenza Mortality by Age Group, Arkansas 2000-2015 (Provisional)

Report Updated: 04/20/2015

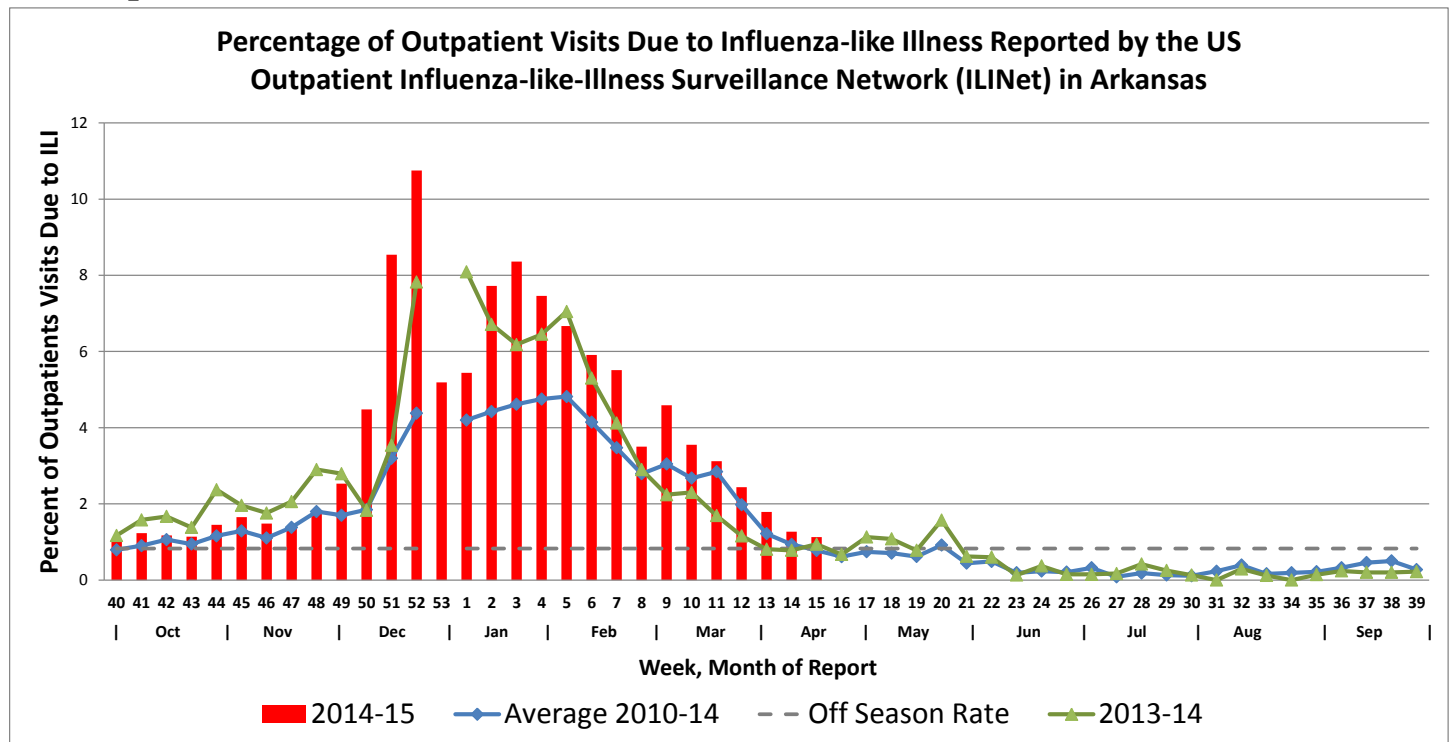


* All seasons range from week 40 to week 39 except 2009-2010 started week 36
Source: ADH Immunization Section, Center for Health Statistics

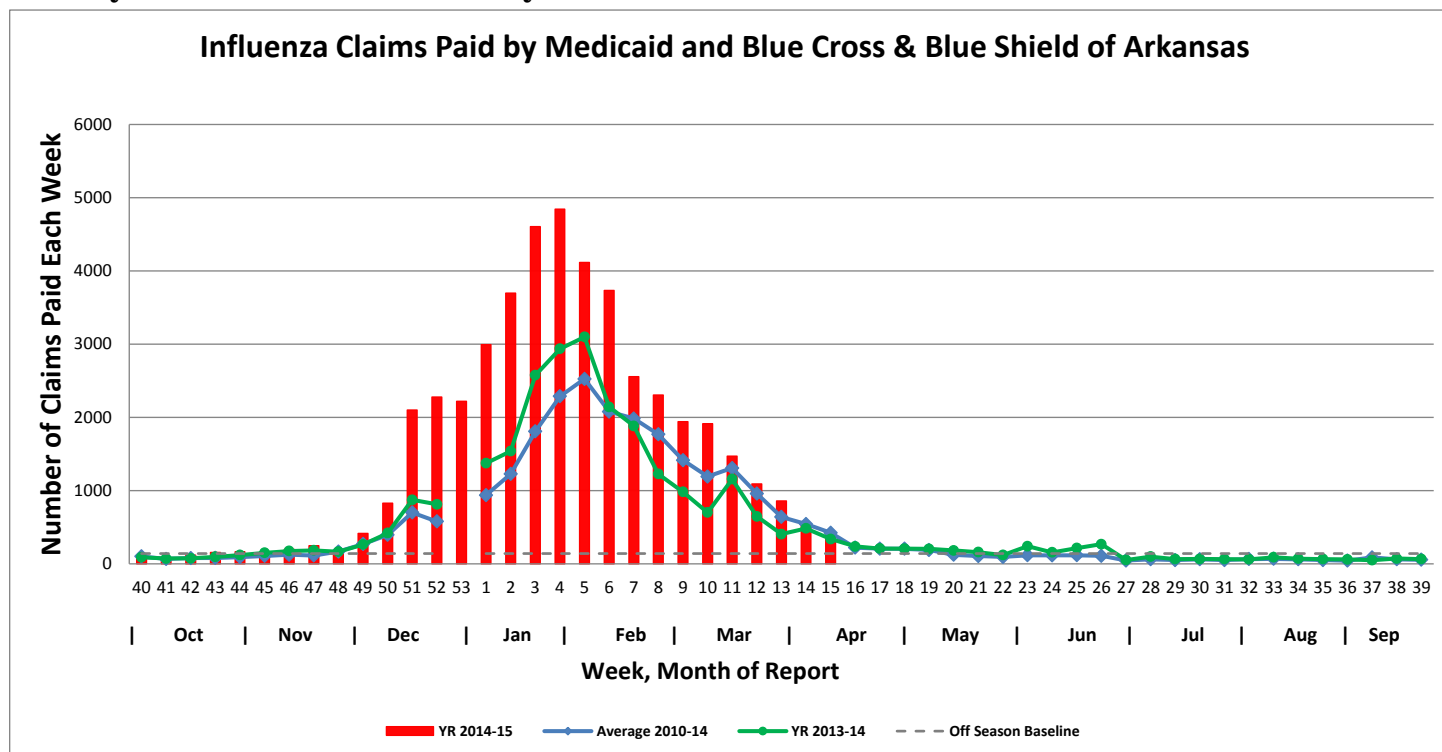
Hospital Report – ER Visits With Influenza-Like-Illness (ILI)



US Outpatients Influenza Surveillance (ILINET)

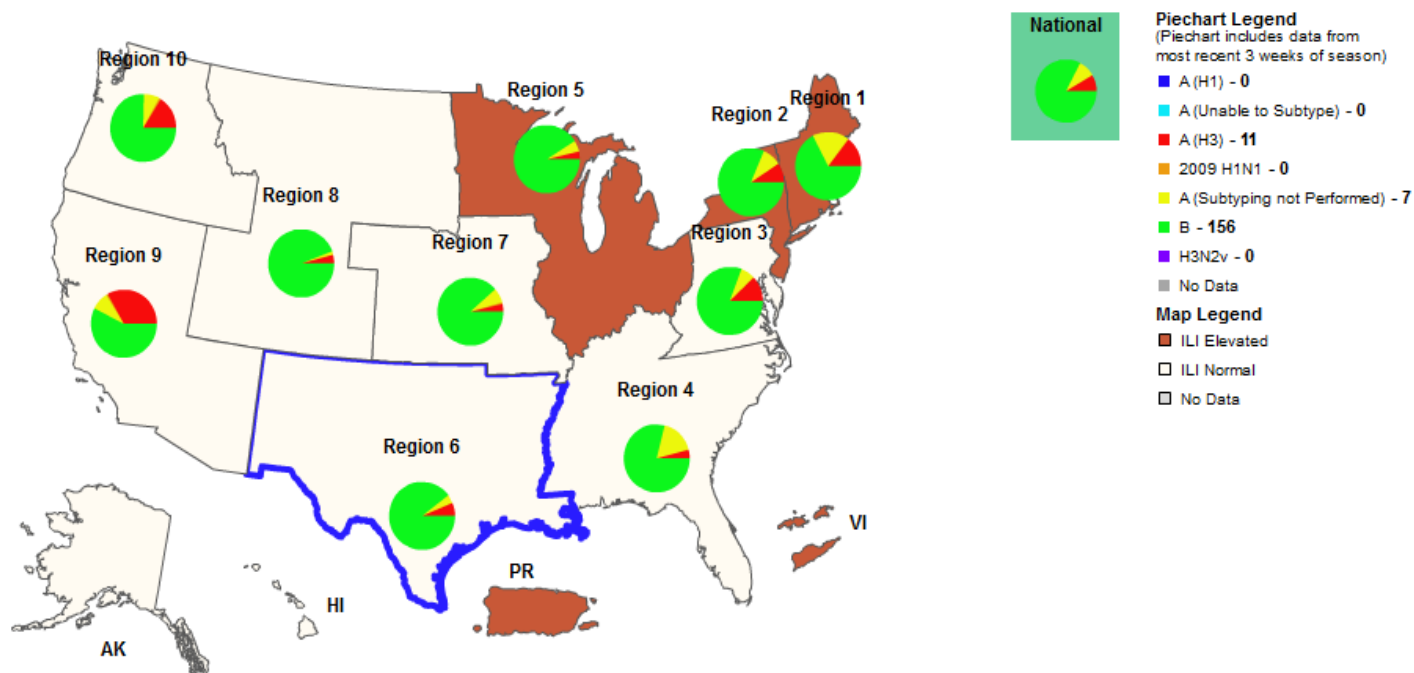


Weekly Influenza Claims Paid by Medicaid and BCBS

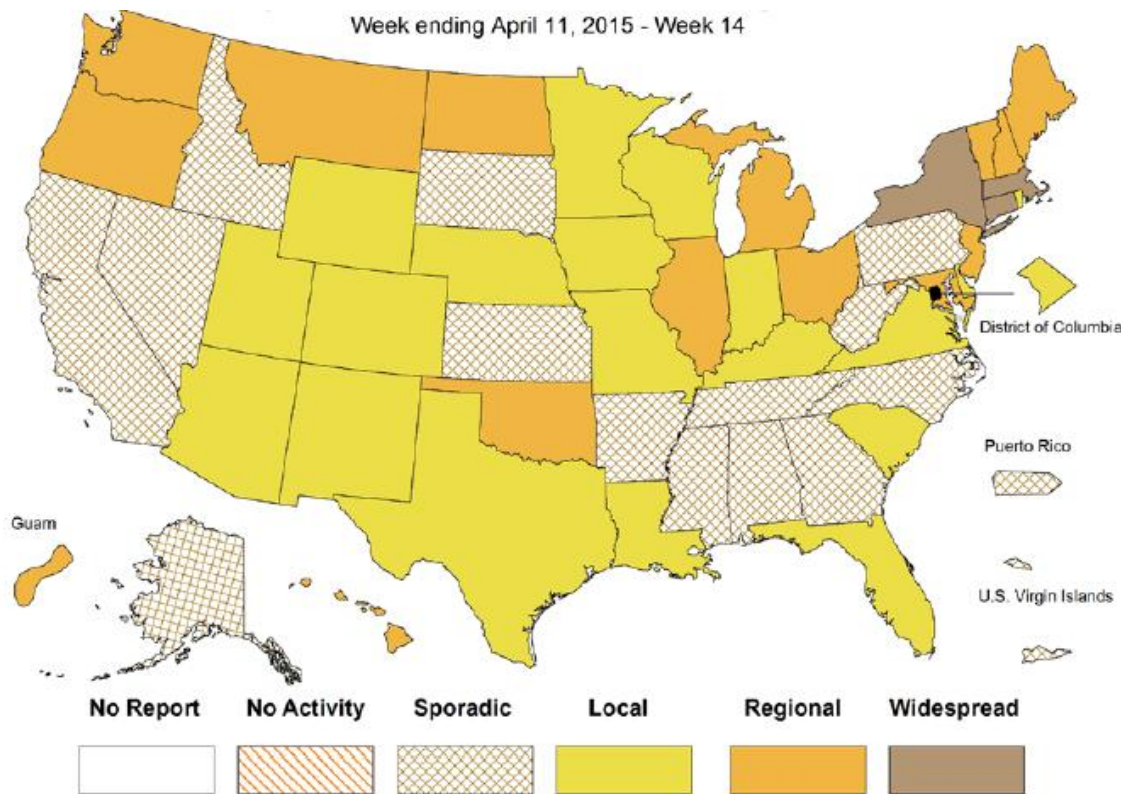


Influenza Positive Tests Reported to CDC and ILI Activity, by HHS Region, 2014-2015 Season, Week Ending Apr 10, 2015

Values in legend is for the highlighted HHS region (Region 6)



Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists



Arkansas Geographic Flu Activity Level Reported for Week 15: Sporadic

Influenza Positive Tests Reported to CDC by U.S. WHO/NREVSS
Collaborating Laboratories, National Summary, 2014-15

